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(54) Bilayer electron-injecting electrode for use in an electroluminescent device

(57) An electroluminescent device comprising an anode, an electroluminescent layer, and a cathode. The cathode includes a fluoride layer contacting the electroluminescent layer, a conductive layer contacting the fluoride layer, and the thickness of the fluoride layer being selected so that the bilayer acts as an electron injecting contact, the bilayer providing stability against atmospheric corrosion.

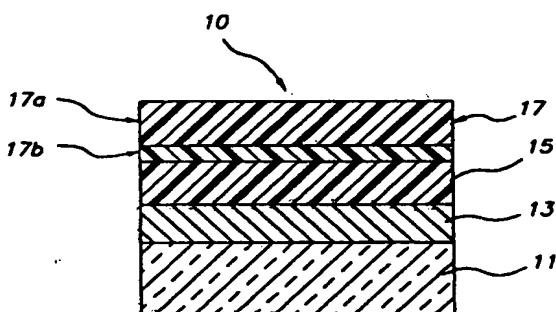


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)
A	TOKITO S ET AL: "Organic EL devices fabricated using a diamine doped MgF ₂ thin film as a hole-transporting layer" APPLIED PHYSICS LETTERS, 6 FEB. 1995, USA, vol. 66, no. 6, pages 673-675, XP000491176 ISSN: 0003-6951 * the whole document * -----	1,8	H01L51/20 H05B33/26
P,X	HUNG L ET AL: "Enhanced electron injection in organic electroluminescence devices using an Al/LiF electrode" APPLIED PHYSICS LETTERS, 13 JAN. 1997, vol. 70, no. 2, page 152-154 XP000680570 ISSN: 0003-6951 * the whole document * -----	1-5,7-10	
E	EP 0 869 701 A (MITSUBISHI CHEM CORP) 7 October 1998 (1998-10-07) * column 9, line 43 - column 13, line 10 * -----	1-4,6,7	
TECHNICAL FIELDS SEARCHED (Int.Cl.)			
H01L			
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	18 January 2000	van der Linden, J.E.	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
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P : intermediate document	& : member of the same patent family, corresponding document		

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ON EUROPEAN PATENT APPLICATION NO.**

EP 97 20 2245

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-01-2000

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82